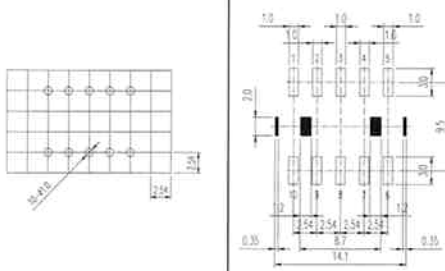
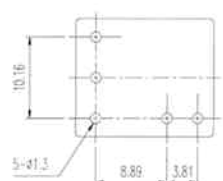
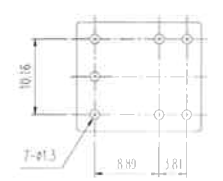
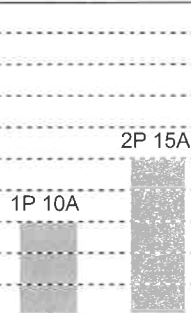
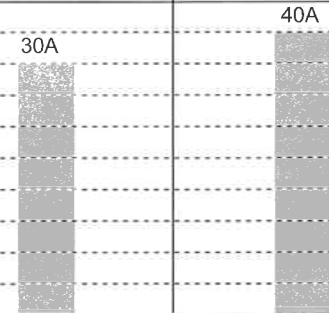
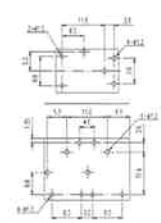
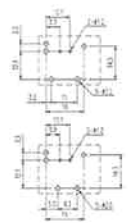
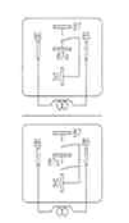
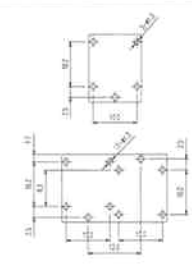


Appearance	GP/GPS		AR/ARW	
				
Outline (L x W x H) mm	GP : 14.1 x 10.1 x 5.0 ; GPS : 14.1 x 11.5 x 6.0		17.3 x 14.8 x 19.7	
Weight	1.5g		10g	
Features	● DIL Pitch Terminals High Sensitivity : 0.14W or 0.10W Nominal Power. ● Conforms to FCC Part 68 1.5kV Surge and Dielectrie 1,000VAC ● Monostable or bistable relays of Single Coil magnet latching Type available		● Automotive Relay in small size with one or two Transfer contacts ● Both open and sealed type are available	
Contact Specification				
Contact Form	DPDT		SPST/SPDT	
Maximum Allowable Contact Current (A)	50A			
	40A			
	30A			
	25A			
	20A			
	15A			15A
	12A			
	10A		10A	
1A	1A	1A		
0.5A				
Contact Capacity (Resistive Load)	1A at 30VDC 0.5A at 125VAC		AR 3A/120VAC 10A/12VDC	ARW 5A/120VAC 15A/12VDC
Reference Minimum Switching Load	0.01mA, DC 10mV		10mA, DC 5V	
Coil Specification				
Nominal Coil Voltage (V)	DC	3,4,5,5,6,9,12,24		5,6,9,12,15,18,24
	AC	-		-
Coil Power Consumption	0.1W ~ 0.2W		Standard : 0.93W European : 1.1W	
Dielectric Strength				
Between Coil & Contact (50/60 Hz for 1 minute)	AC 1,000V		AC 500V	
Between Contact (50/60 Hz for 1 minute)	AC 1,000V		AC 1,000V	
Life Expectancy (Operations)				
Electrical	1A : 2 x 10 ⁵ ; 0.5A : 1 x 10 ⁵		1 x 10 ⁵	
Mechanical	1 x 10 ⁸		1 x 10 ⁷	
Safety Standard Certificate	C-UL		UL	
Bottom View				
Mounting Method				
Page	39~40		41~44	

Note: Meaning of symbol marks  : PC board terminal ;  : SMD terminal ;  : Plug-in

SAM	CAR	GRL	JM	JMW
				
23.2 x 17.2 x 16	26.2 x 21.2 x 20.2	28.0 x 28.0 x 25.0	1P : 15.2 x 12 x 13.4 / 2P : 24 x 15.5 x 13.6	
15g	20.2g	36.5g	1P : 5.2g / 2p : 10.2g	
● Car use 20A Relay with one and two transfer contacts ● SS and SH are available	● CAR use 20A Relay with one and two transfer contacts ● SS and SH are available	● European and U.S.A footprints for different market needs. ● Special contact material FE-130 is applied	● Application for automotive eelectrical systems. ● JM/JMW-2P is consisted of 2 pieces of JM/JMW-1P and capsulated by one cover and the location of terminals are distributed for easy pattern design on N.O. and N.C. Contact terminal.	
SPST/SPDT/DPDT/DPST				
SPST/SPDT		SPDT/SPST/DPST	SPST/SPDT/DPST/DPDT	SPDM/DPDM
				
1P N.O. 10A at 24VDC N.C. 7A at 24VDC 2P N.O. 15A at 15VDC N.C. 10A at 15VDC		30A/12VDC	1C N.O.:40A at 12VDC N.C.:30A at 12VDC 2A 40A(20Ax2)at12VDC	1P 2 x 6A/14VDC 2P 2 x 6A/14VDC
10mA , DC 10V		10mA , DC 10V	10mA , DC 5V	10mA , DC5V
5,6,9,12,18,24		6,12,24	12,24	6,.9,10,12
-		-	-	-
0.45W		1.59~1.89W	1.8W	D Type : 0.8W L Type : 0.6W
AC 500V		AC 750V	AC 500V	AC 500V
AC 1,000V		AC 1,200V	AC 1000V	AC 500V
1 x 10 ⁵		1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵
1 x 10 ⁷		1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷
NIL		NIL	NIL	NIL
				
				
45~46		47~48	49~50	51~52
				53~54